

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P583780

Luminaire Tested: **HCC8S10D010BZ-HM80520930-81MDC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S10D010BZ-HM80520930-81MDC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

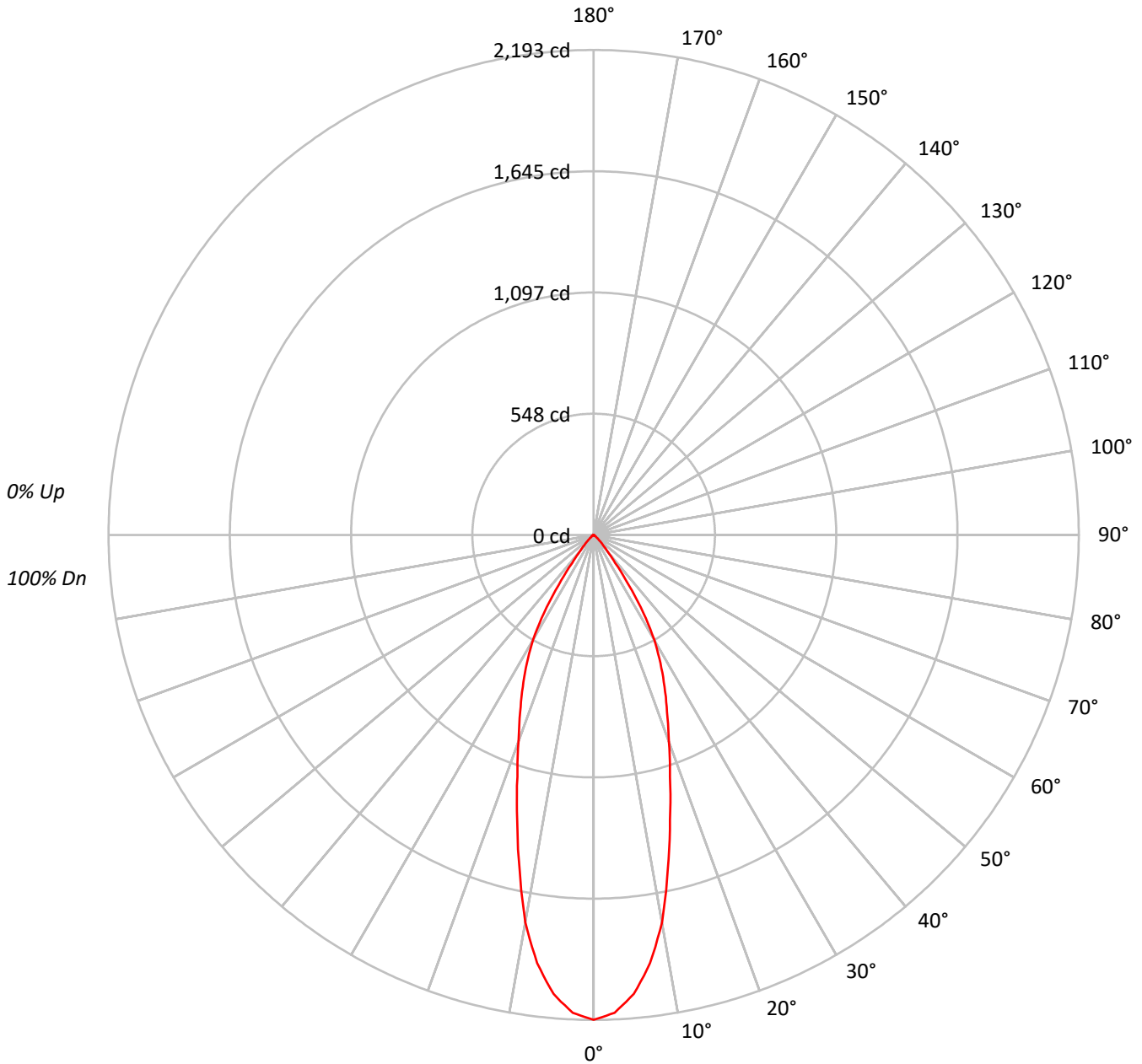
Lumens per Lamp: N/A
Luminaire Lumens: 1131.6 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.67
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20		
RC	80				70				50				30				10		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	87	85	84	84
4	100	93	88	84	98	92	87	83	90	86	82	88	84	82	86	83	81	79	79
5	95	88	82	78	94	87	82	78	85	81	77	83	80	77	82	79	76	75	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	71	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67	67
8	84	75	70	66	82	74	69	66	73	69	65	72	68	65	71	68	65	64	64
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58	58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67612
5°	64508
10°	55695
15°	42590
20°	32586
25°	25780
30°	19473
35°	10363
40°	3949
45°	1893
50°	806
55°	339
60°	123
65°	102
70°	63
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.2	16.7
10°-20°	372.4	32.9
20°-30°	346.9	30.7
30°-40°	179.0	15.8
40°-50°	36.4	3.2
50°-60°	6.2	0.6
60°-70°	1.2	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	908.5	80.3
0°-40°	1087.4	96.1
0°-60°	1130.1	99.9
0°-90°	1131.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1131.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2193	
5°	2084	189
15°	1334	372
25°	758	347
35°	275	179
45°	43	36
55°	6	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2192.6
2.5°	2163.2
5°	2084.0
7.5°	1953.9
10°	1778.7
12.5°	1549.0
15°	1334.1
17.5°	1147.8
20°	993.0
22.5°	867.0
25°	757.7
27.5°	654.1
30°	546.9
32.5°	419.5
35°	275.3
37.5°	159.6
40°	98.1
42.5°	64.4
45°	43.4
47.5°	27.3
50°	16.8
52.5°	9.9
55°	6.3
57.5°	2.8
60°	2.0
62.5°	1.4
65°	1.4
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)